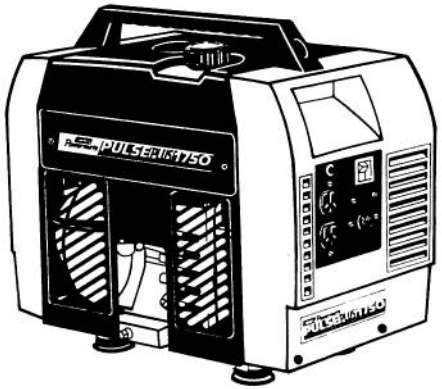
Coleman Powermate®

Operator's Manual



IMPORTANT

Please make certain that persons who are to use this equipment thoroughly read and understand these instructions prior to operation.

Coleman Powermate, Inc.
125 Airport Road
Kearney, NE 68848
(308) 237-2181
1-800-445-1805

Record the model and serial numbers of your generator below:

Model No._____ Serial No._____

0049860.01 JRM 1/94

PULSE SERIES
ELECTRIC GENERATOR

SAFETY AND OPERATION RULES

Safety precautions are essential when any electrical or mechanical equipment is involved. These precautions are necessary when using, storing, and servicing electromechanical equipment. Using this equipment with the respect and caution demanded will considerably lessen the possibilities of personal injury. If safety precautions are overlooked or ignored, personal injury may occur.

The following symbols shown below are used extensively throughout this manual. Always heed these precautions, as they are essential when using any electrical or mechanical equipment.

WARNING

This warning symbol identifies specific instructions or procedures which if not correctly followed could result in personal injury or death.

CAUTION

This caution symbol identifies specific instructions or procedures which, if not strictly observed, could result in damage to, or destruction of equipment.

This unit was designed for specific applications. It should *not* be modified and/or used for any application other than which it was designed. If there are any questions regarding its application, *write or call.* Do not use this unit until you have been advised.

1. Read this manual carefully - **know your equipment.** Consider the applications, limitations, and the potential hazards specific to your unit.

2. Equipment must be placed on a firm, supporting surface.

3. Load must be kept within rating stated on generator nameplate. Overloading will damage the unit or shorten its life.

4. Engine must not be run at excessive speeds. Operating an engine at excessive speeds increases the hazard of personal injury. **Don' t tamper with parts which may increase or decrease the governed speed.**

5. To prevent accidental starting, always remove the spark plug or cable from the spark plug before adjusting the generator or the engine.

6. Units with broken or missing parts, or without protective housing or covers, should never be operated. Contact your service center for replacement parts.

7. Units should not be operated or stored in wet or damp conditions or highly conductive locations such as metal decking and steel work. **Always use rubber gloves and boots, and a ground fault current interrupter if these conditions may be present during use.**

8. Keep the generator clean and free of oil, mud, and other foreign matter.

9. Extension cords, power cords, and all electrical equipment must be in good condition. Never operate electrical equipment with damaged or defective cords.

10. Store the generator in a well ventilated area with the fuel tank empty. Fuel should not be stored near the generator.

11. Your generator should never be operated under these conditions:
    a. Change in engine speed
    b. Electrical output loss
    c. Overheating in connected equipment
    d. Sparking
    e. Damaged receptacles
    f. Engine misfire
    g. Excessive vibration
    h. Flame or smoke
    i. Enclosed compartment
    j. Rain or inclement weather

12. Check the fuel system periodically for leaks or signs of deterioration such as chafed or spongy hose, loose or missing clamps, or damaged tank or cap. All defects should be corrected before operation.

13. The generator should be operated, serviced, and refueled only under the following conditions:
    a. Good ventilation - avoid areas where vapors may be trapped such as pits, basements, cellars, excavations, and boat bilges. Air flow and temperatures are important for air cooled units. Temperatures should not exceed 100 degrees F (40 degrees C).
    b. Dangerous exhaust gases should be piped from enclosed areas. The engine exhaust contains carbon monoxide, a poisonous, odorless, invisible gas which, if breathed, causes serious illness and possible death.
    c. Refuel the generator in a well lighted area. Avoid fuel spills and never refuel while the generator is running.
    d. Do not refuel near open flames, pilot lights, or sparking electrical equipment such as power tools, welders, and grinders.
    e. The muffler and air cleaner must be installed and in good condition at all times as they function as flame arresters if backfiring occurs.
    f. Do not smoke near the generator.

14. Do not wear loose clothing, jewelry, or anything that may be caught in the starter or other rotating parts.

15. Unit must reach operating speed **before electrical loads are connected. Disconnect loads before turning off engine.**

16. To prevent surging that may possibly damage equipment, do not allow engine to run out of fuel when electrical loads are applied.

17. **When powering solid state equipment, a surge protector should be used to avoid possible damage to equipment.**

18. Do not stick anything through ventilating slots, even when the generator is not operating. This can damage the generator or cause personal injury.

19. Before transporting the generator in a vehicle, drain all fuel and close fuel shut-off valve to prevent leakage that may occur.

GENERATOR OPERATION

DETERMINING TOTAL WATTAGE

In order to prevent overloading and possible damage to your generator, it is necessary to know the total wattage of the connected load.

NOTE: Allow 2 1/2 times the listed wattage for starting equipment, and up to 4 times the listed wattage for items designated by (*). Wattages listed on page 4 are averages and may vary. Make sure to check your equipment for actual wattages. If they are not listed, calculate amps x volts = watts.

1. Induction-type electric motors, such as those that run your furnace fan, sump pump and refrigerator, need starting power of about 2 1/2 times their running wattages for a few seconds. Be sure to allow for this when selecting the items to connect to the generator. To get the most efficient use from your generator, first figure the watts needed to **start** your largest electric motor. To this figure add the **running** wattages of the other items to be operated from the generator simultaneously.
2. Be sure the total wattage you connect to your generator does not exceed its rated wattage.
3. Always start your largest electric motor first, and then plug in other items, one at a time.

CAUTION

CAUTION: Do not apply heavy electrical load during break-in period (the first two to three hours of operation).

APPLICATION REQUIREMENTS

The table below will help you determine how many items your generator can power at the same time. Be sure to check the nameplates on the equipment; they will give you more accurate power consumption figures. If the nameplate only gives volts and amps, multiply volts x amps = watts. **1 KW = 1,000 watts.**

	ESTIMATED RUNNING WATTS
Electric Motor (2 hp)*	4500
Concrete Vibrator (3 hp)*	4500
Air Conditioner (12,000 BTU)*	3250
Radial Arm Saw	2600
Submersible Pump (1 hp)*	2000
Air Compressor (1 hp)*	2000
Electric Range (1 element)	1500
Electric Skillet	1250
Furnace Fan (1/3 hp)*	1200
Chain Saw	1200
Circular Saw (6 1/2")	1200
Toaster	1100
Coffee Maker	1000
Microwave Oven	700
Sump Pump*	600
Airless Sprayer (1/3 hp)*	600
Small Refrigerator/Freezer*	600
Hand Drill (1/4")	540
Deep Freezer*	500
Weed Trimmer	500
Hedge Trimmer	450
Slow Cooker	200
12V DC Battery Charger	120
Light Bulb	100

BEFORE OPERATION

CAUTION

CAUTION: Operating voltage and frequency requirement of all electronic equipment should be checked prior to plugging them into this generator. Damage may result if the equipment is not designed to operate within a +/- 10% voltage variation, and +/- 3% frequency variation from the generator name plate ratings. To avoid damage, always have an additional load plugged into the generator if solid state equipment (such as a television set) is used. A power line conditioner may also be necessary in some applications, i.e., with a computer. For more information, contact our Customer Service Department at 1-800-445-1805.

GROUNDING THE GENERATOR

Make sure that the generator is grounded to help prevent accidental shock. A ground lug (A) has been provided for this purpose. Connect a length of heavy gauge wire between the generator lug and an external ground source such as a water pipe or copper rod driven into the ground.

(A) Ground lug

WARNING

WARNING: Do not use a pipe carrying combustible materials as the ground source.

FUEL

Fill the tank with clean, fresh unleaded automotive gasoline. Regular grade gasoline may be used provided a high octane rating is obtained (at least 85 pump octane).

CAUTION

CAUTION: Do not overfill the tank. Keep maximum fuel level 1/4 inch below the top of the fuel tank. This will allow expansion in hot weather and prevent overflow.

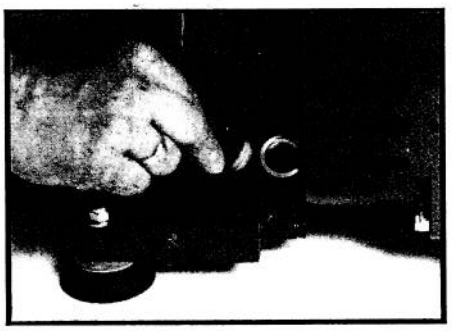
WARNING

WARNING: Gasoline is very dangerous. Serious injury may result from fire caused by gasoline contacting hot surfaces.

1. **Do not fill fuel tank with engine running.**
2. **Do not spill fuel while refilling tank.**
3. **Do not mix oil with gasoline.**

LUBRICATION

DO NOT attempt to start this engine without filling the crankcase with the proper amount and type of oil. (See maintenance instructions for details.) Your generator has been shipped from the factory without oil in the crankcase. Operating the unit without oil can ruin the engine.

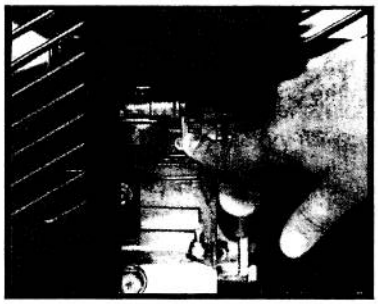


PRE-START PREPARATION

Before starting the generator, check for loose or missing parts and for any damage which may have occurred during shipment.

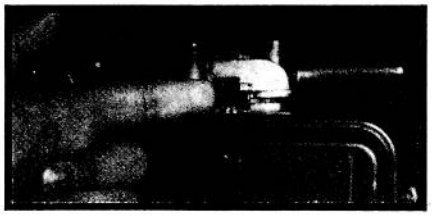
STARTING THE ENGINE

1. Check oil level and fuel.
2. Disconnect all electrical loads from the unit.
3. Open the fuel valve (A).

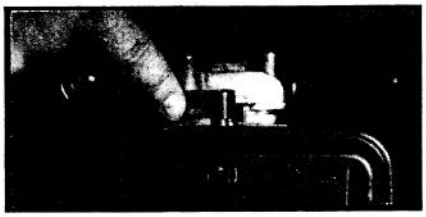


(A) Fuel valve lever

4. Adjust choke to the proper position. Set the choke lever to the fully closed position when the engine is cold (B). For warm engine, it may be set to the mid position. After the engine has run for awhile and is fully warmed up, place the choke in the fully open position (C).

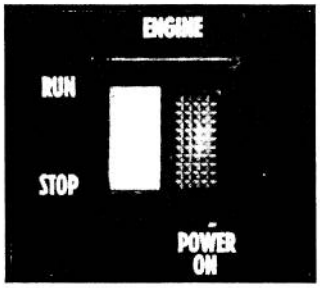


(B) Choke lever fully closed



(C) Choke lever fully open

5. Pull the engine switch (D) to the run position.



(D) Engine switch

6. Pull on the starter rope with a fast steady pull (E). As the engine warms up, readjust the choke.

(E) Recoil starter rope

CAUTION

CAUTION: Never pull the starter handle while the engine is running or damage to the starter will result.

WARNING

WARNING: Provide adequate ventilation for toxic exhaust gases and cooling air flow.

BREAK-IN PROCEDURE

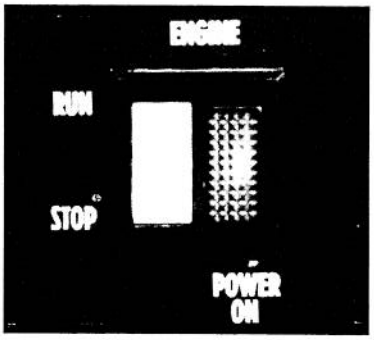
Controlled break-in helps insure proper engine and generator operation. Follow engine procedure outlined in engine manual.

CAUTION

CAUTION: Allow generator to run at no load for five minutes upon each initial start-up to permit engine and generator to stabilize and to check for proper operation.

SHUTTING THE GENERATOR OFF

1. Remove entire electrical load.
2. Let the engine run for a minute without load.
3. Move the engine switch (A) to the stop position.
4. Do not leave the generator until it has completely stopped.
5. If cover is used, do not install until unit has cooled.



(A) Engine switch

APPLYING LOAD

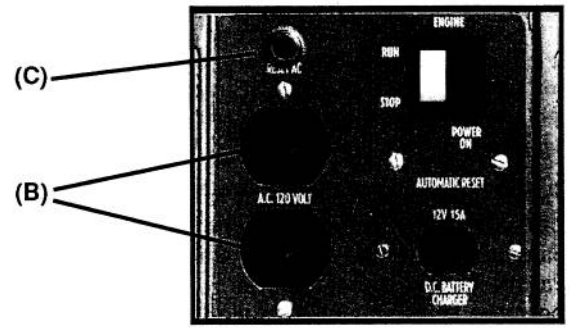
This unit has been pretested and adjusted to handle its full capacity. When starting the generator, disconnect entire load. Apply load only after generator is running. Voltage is regulated via the engine speed adjusted at the factory for correct output. Readjusting is not advised.

CAUTION

CAUTION: When applying a load, do not exceed the maximum wattage rating of the generator when using one or more receptacles. Also, do not exceed the amperage rating of any one receptacle.

AC FEATURES

The Pulse Series of generator models are equipped with two 120-volt receptacles (B). The total wattage of the generator may be drawn from either receptacle.



Use only good quality, well insulated grounded cord sets to plug into the generator receptacles. Make sure the wire gauge of the cord set is sufficient to handle the amount of current listed on the electrical load's nameplate.

For example: A cord set comprised of 14 AWG wire is capable of handling up to 15 amps of current at 120 volts.

CAUTION

CAUTION: Do not exceed the generator's rated wattage and/or amperage capacity for continuous operation. Damage to the generator or equipment may result.

NOTE: Electrical - The ampacity of the phase conductors from the generator terminals to the first over current device shall not be less than 115 percent of the nameplate rating of the generator.

AC CIRCUIT BREAKER

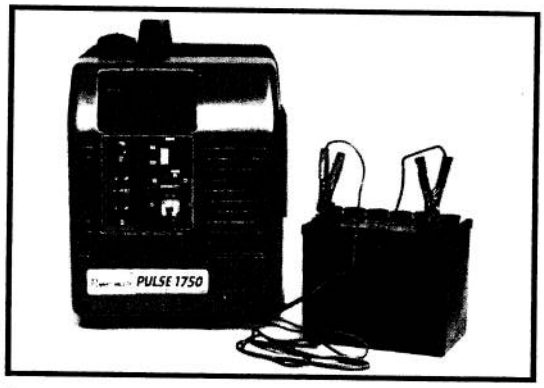
The AC circuit is protected by a thermal circuit breaker. A receptacle overload or an external short-circuit will cause the AC breaker to trip, thereby protecting the unit. If this occurs, disconnect all electrical loads and reset the circuit by pushing in on the button head (C). (You may need to wait a few seconds for the circuit breaker to cool before it will reset.)

Before reapplying the load, determine why the breaker tripped by referring to the trouble shoot chart introduced later in the manual. Correct the problem and reapply the load to the generator.

DC FEATURES

BATTERY CHARGER: The Pulse Series generators contain an additional circuit used for battery charging purposes. A two-prong DC receptacle is provided on the control panel. A battery charging cable equipped with a matching plug for this receptacle has been supplied with the unit.

The battery charger on this generator is referred to as an unregulated taper charger - the most widely used in the market today. The amount of current flowing will depend on the charging voltage and battery's state of charge. As the on-charge output current to the battery decreases, the output current to the battery increases and nearly becomes constant. Taper chargers are intended to be used with the provision that they will be disconnected from the battery after a maximum time on charge. Normally a period of 30 to 120 minutes is sufficient to recharge a weak battery.



The charging cable battery clips are color coded: red for positive and black for negative.

CAUTION

CAUTION: This battery charging system is intended to re-charge weak batteries, not to "boost start" vehicles.

Note: When the battery charger circuit is in use, the AC capacity is reduced by 180 watts. Make sure the combined load is within the rated limits.

Before charging a storage battery, check the electrolyte fluid level in all the cells. (Sealed batteries do not require checking.) Add distilled water to each cell, if necessary, to bring the level back up to the manufacturer's required level.

WARNING

WARNING: Storage batteries give off EXPLOSIVE hydrogen gas while charging. Do not allow smoking, open flames, sparks, or spark producing equipment in the area while charging.

Connect the red clip to the positive terminal of the battery. Connect the black clip to the negative terminal of the battery. Insert the DC plug into the DC receptacle of the generator. After the battery is fully charged, remove the battery charging cable from the generator and then disconnect from the battery posts.

WARNING

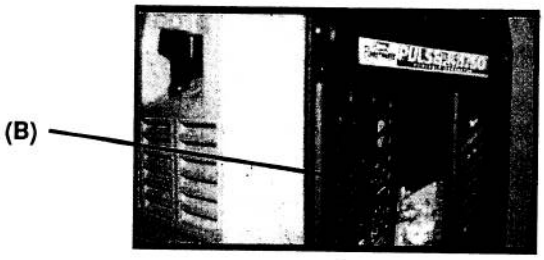
WARNING: Battery electrolyte fluid is comprised of sulfuric acid that can be very dangerous and cause severe burns. Do not allow this fluid to contact eyes, skin, clothing, etc. If contact or spillage does occur, flush the area with water immediately.

DC CIRCUIT BREAKER: The maximum current available from the battery charger circuit is 15 amps. An automatic DC circuit breaker has been provided to protect the circuit from overloads and assure that the battery gets recharged. If an overload occurs, the circuit breaker will trip. After it cools, it will automatically reset itself. The battery's maximum rate of charge will eventually reduce to less than 15 amps and then to zero as the battery approaches a 100 percent state of charge.

LOW OIL SHUTDOWN

The Pulse Plus 1750 generator is equipped with low oil shutdown. Initially, if the oil level becomes lower than required, the red light will flicker. If no oil is added, the generator set will eventually shut off automatically. This protects your generator set from operating without proper lubrication.

If generator shuts off and the oil level is according to specifications, check to see if generator is sitting at an angle that forces oil to shift. Place on a level surface to correct this. If engine fails to start, the oil level may not be sufficient to deactivate the low oil level switch. Check the low oil sensor light, located behind the side cover (B). (The light can only be viewed by looking through the slots in the side while pulling on the starter rope at the same time.) If the light flickers, then add oil. Be sure the sump is completely full of oil. It cannot be restarted until the oil level is brought back up to the proper level.



MAINTENANCE

PERIODIC INSPECTION (ENGINE):

The following table outlines maintenance procedures and recommended service intervals.

Item \ Interval	Before each use	After the first 20 hours of operation	Every 50 hours of operation	Every 100 hours of operation
Check engine oil	✓			
Change engine oil		✓	✓	
Clean air filter			✓	
Clean spark plug				✓
Clean fuel filter pot			✓	
Clean spark arrestor			✓	

PULSE PLUS (Kawaski engine) only. In the event that oil must be added to the engine, place it on level ground and unscrew the oil plug. After wiping any oil from the oil plug with a clean cloth, re-insert it, however, this time, making sure not to screw it back into position. Then, remove the oil plug once again and check the oil level. The oil plug has graduated marks and if the oil is not up to the lower marking, then pour in oil so the oil level reaches the upper marking on the oil plug.

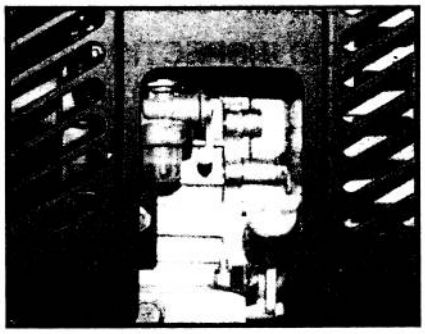
Oil Type. Use new good quality oil such as SC, SD, and SE grades. The oil to be used depends upon the temperature at which the engine is operated:

Summer: (temperatures of over 40 degrees F/10 degrees C)
SAE 30 or SAE 10W-30, SAE 10W-40
Winter: (temperatures of below 40 degrees F/10 degrees C)
SAE 20 or SAE 10W-30

FUEL FILTER

The Pulse 1000 and Pulse 1750 are equipped with a separate fuel shut off (A) and inline fuel filter (B). The Pulse 1850 fuel filter is fitted inside the fuel tank. No regular maintenance is required except to inspect and replace if clogged.

The Pulse Plus features an intergrated fuel shut off valve and filter as standard equipment. Water and dirt accumulating in the fuel valve could interfere with proper engine performance. Clean the fuel valve every 50 hours of operation. Loosen the ring nut on the fuel filter by turning it counter clockwise. Remove the pot and element. Wash the parts thoroughly in gasoline and return them to their proper location.



WARNING

WARNING: Gasoline is very dangerous. Serious injury may result from fire caused by gasoline contacting hot surfaces.

SPARK PLUG

Remove the spark plug and clean the electrodes section with a wire brush or sandpaper. Next, set the gap at .028 (0.6-0.7 mm) by adjusting the negative electrode.

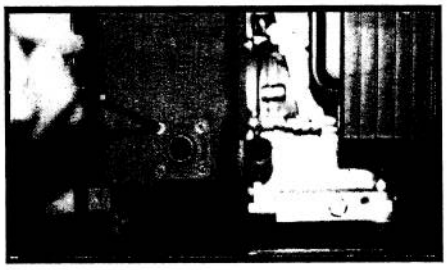
CAUTION

CAUTION: Replace with only the same type of spark plug which was removed. An improper spark plug can cause the engine to overheat, emit smoke, or otherwise perform poorly.

SPARK ARRESTER MUFFLER

This engine is equipped with a U.S. Forest Service approved spark arrest muffler. It should periodically be cleaned to prevent the screen from becoming clogged, which could hamper engine performance.

To clean, remove the muffler shield. Remove the four screws and pull the plate with the screen attached. Clean off any particles with a brush and reinstall. Be sure gasket is in place.



ELECTRONIC IGNITION (TIC)

The Pulse Series engines are equipped with a Transistor Ignition System (TIC). This device controls the ignition electronically and offers trouble-free and maintenance-free operation for a long period of time without polishing or adjusting the contact point.

EXCITING THE GENERATOR

If there is a loss of residual magnetism in the rotor (voltage will not build up), it may be necessary to re-excite the unit. Contact your local service center or the Coleman Powermate Service Department for assistance.

INFREQUENT SERVICE

If the unit is used infrequently, difficult starting may result. To eliminate hard starting, run the generator at least a few minutes every month. Also, if the unit will not be used for some time, it is a good idea to drain the fuel from the carburetor and gas tank.

LONG TERM STORAGE

When the generator set is not being operated or is being stored more than one month, follow these instructions:

1. Replenish engine oil to upper level.
2. Drain gasoline from fuel tank, fuel line, fuel valve and carburetor
3. Pour about one teaspoon of engine oil through the spark plug hole, pull the recoil starter several times and replace the plug. Then pull the starter until you feel the piston is on its compression stroke and leave it in that position. This closes both the intake and exhaust valves to prevent the inside of the cylinder from rusting.
4. Cover the unit and store in a clean, dry place that is well ventilated away from open flame or sparks.

NOTE: The use of a fuel additive, such as STA-BIL®, or an equivalent, will minimize the formulation of fuel gum deposits during storage. Such an additive may be added to the gasoline in the fuel tank of the engine, or to the gasoline in a storage container.

INSTALLATION

To avoid backfeeding into utility systems, isolation of the residence electrical system is required.

Before temporary connection of the generator to the residence electrical system, turn off the main switch.

If your generator is to be used as a stand-by power source in case of utility power failure, it should be installed by a registered electrician and in compliance with all applicable local electrical codes.

Proper use requires that a double throw transfer switch be installed by a licensed qualified electrician so that the building's electrical circuits may be safely switched between utility power and the generator's output, thereby preventing backfeed into the power utility's electrical system.

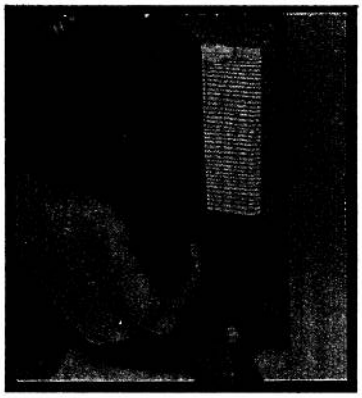
WARNING: To avoid backfeeding into utility systems, isolation of the residence electrical system is required. Before temporary connection of a generator to the residence electrical system turn off the main switch. Before making permanent connections a double throw transfer switch must be installed. To avoid electrocution or property damage, only a trained electrician should connect generator to residence electrical system. California law requires isolation of the residence electrical system before connecting a generator to residence electrical system.

AIR CLEANER-FILTER ELEMENT

A clogged air filter decreases engine efficiency and increases fuel consumption and engine wear. Cleaning the filter at the recommended intervals is necessary for good engine performance. **Note:** In case engine is used under very dusty conditions, clean air cleaner once a day or every 10 working hours.

As shown in the Pulse Plus 1750 photograph (right), open the cleaner cover and pull out the element. Wash it in a high flash-point solvent (such as Kerosene) and squeeze it dry. Saturate the filter in engine oil (SE class SAE 30). Squeeze out the excessive oil, then wrap it in a clean rag and squeeze it as dry as possible. Be careful not to tear the filter. Make sure that the filter is installed correctly -- the short "hairs" go outward.

The Pulse 1000, 1750 and 1850 contain a paper element air filter. In normal conditions, clean every 25 hours by gently tapping to remove dirt. Replace when beyond cleaning.



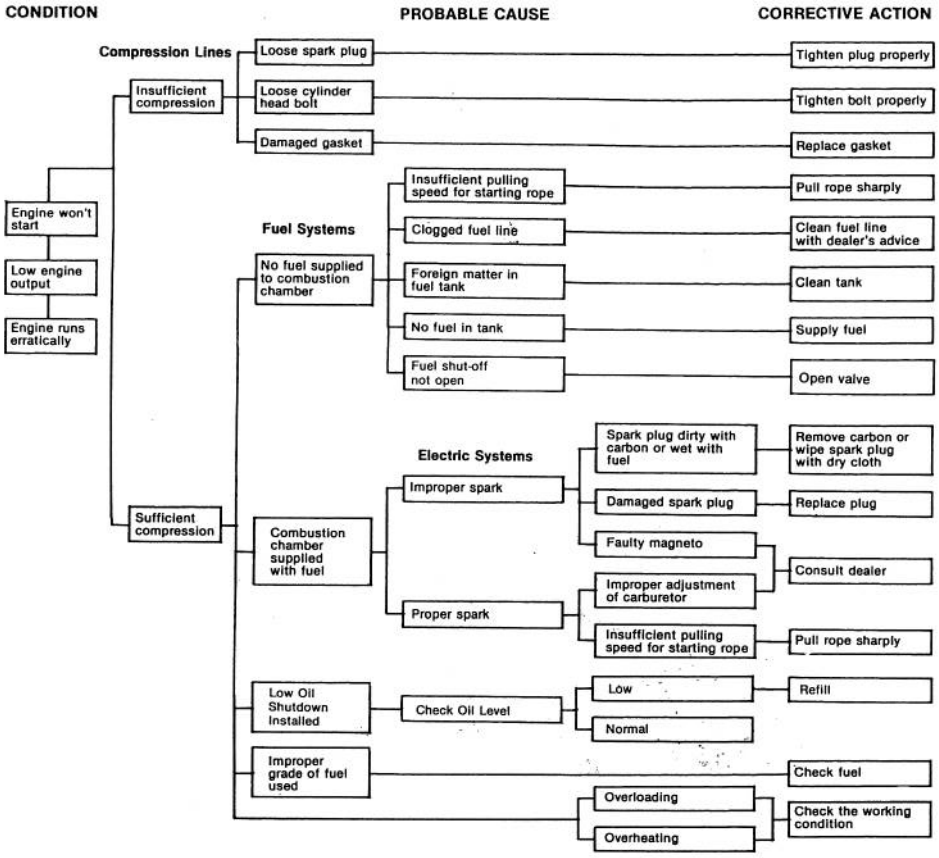
Air cleaner on Pulse 1000, 1750 & 1850

Air cleaner on Pulse Plus 1750

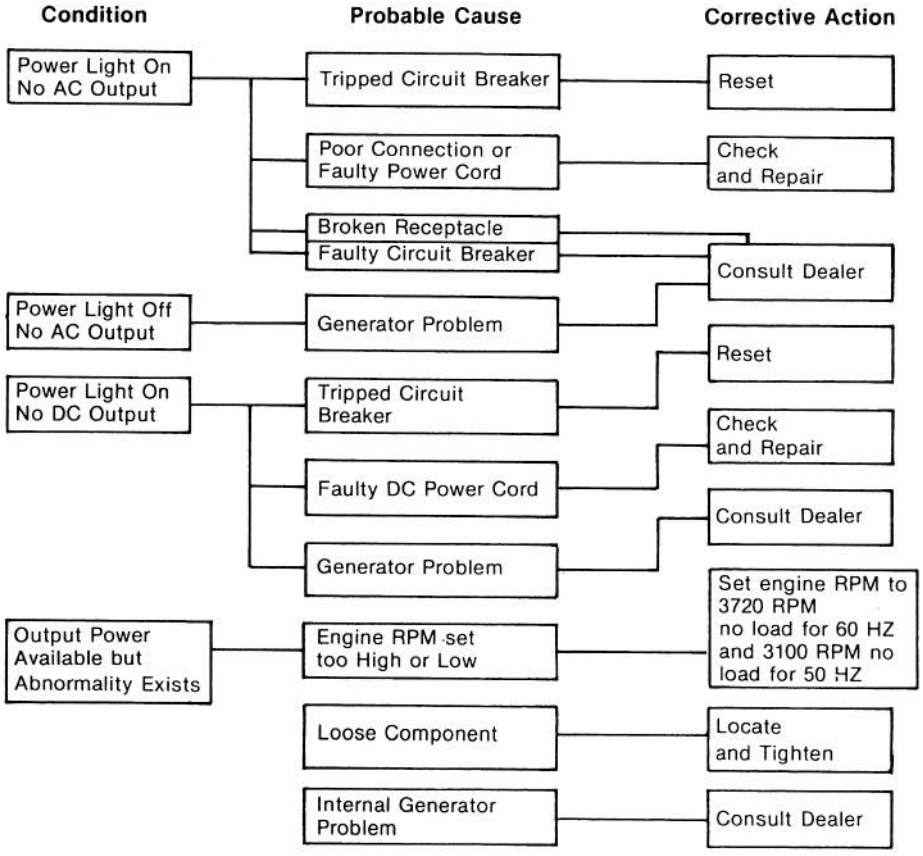
WARNING

WARNING: Clean element in a well ventilated area. Do not use gasoline or a low flash-point solvent. Be sure there are no sparks or open flames near the working area. An explosion or fire causing serious injury could result.

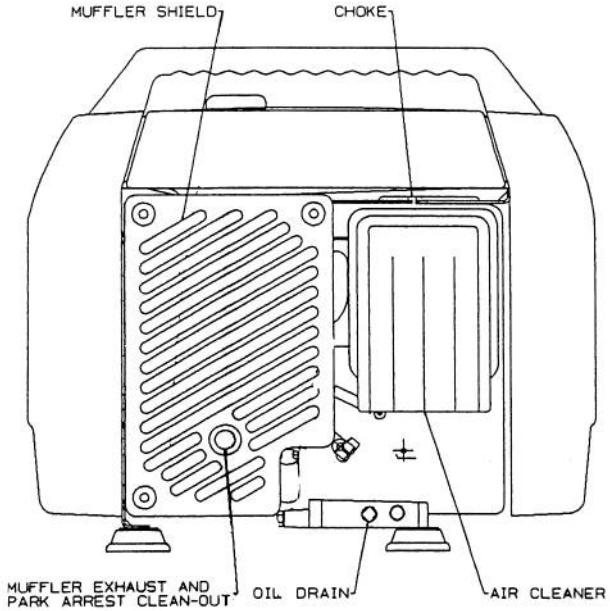
ENGINE TROUBLE-SHOOTING

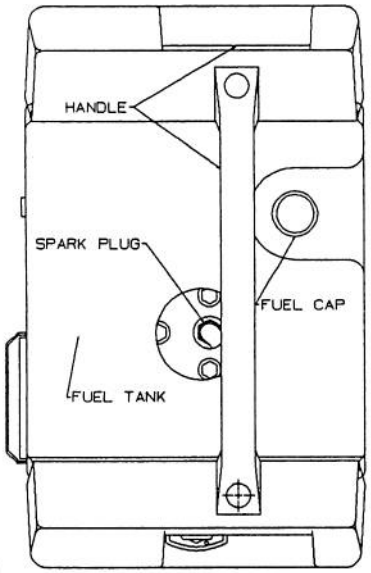


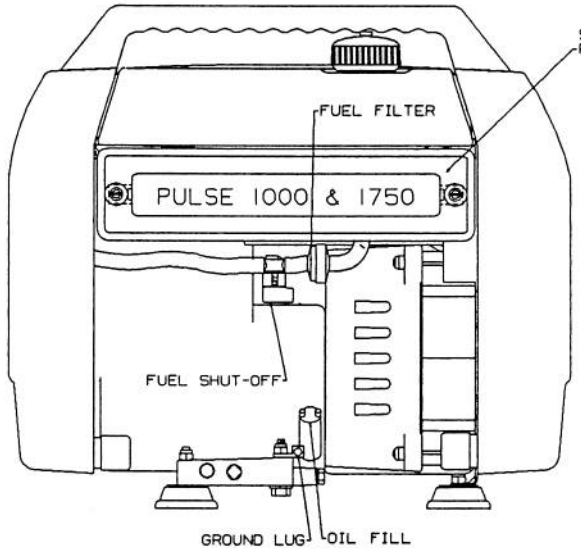
GENERATOR TROUBLE-SHOOTING

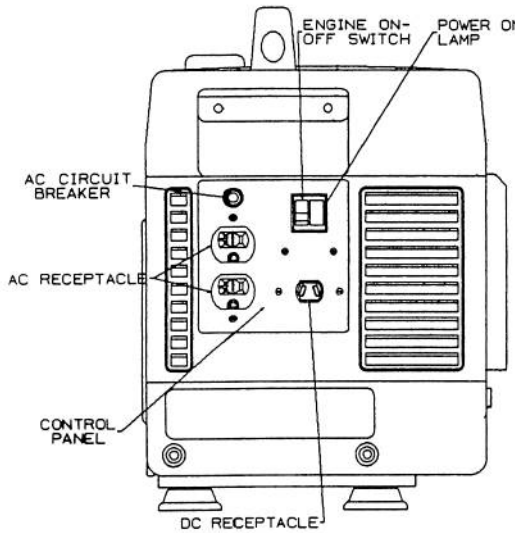


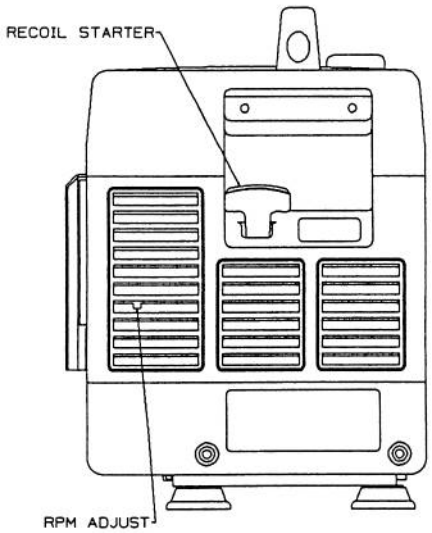
GENERATOR COMPONENTS

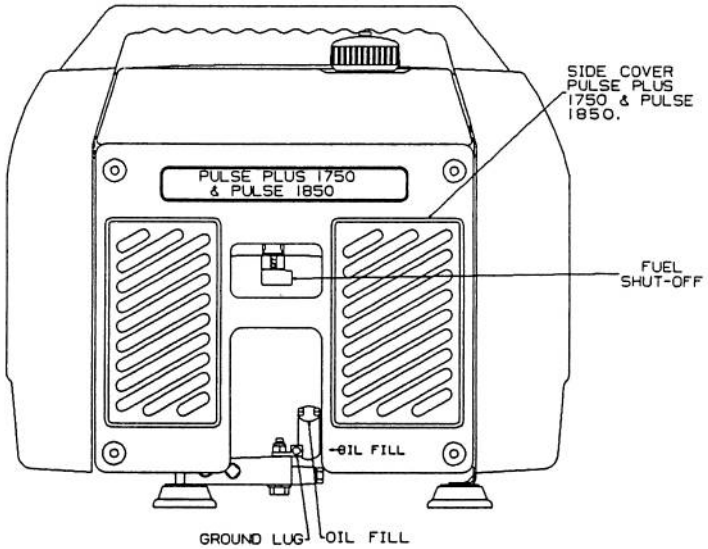












SPECIFICATIONS

	Pulse 1000, 1750 & 1850	Pulse Plus 1750
ENGINE SPECS		
Type	4-Stroke, single cylinder, gasoline	
Displacement	148 cc, 9.03 cu. in.	129 cc, 7.92 cu. in.
Maximum HP	3.5 HP @ 3600 rpm	3.1 hp @ 4000 rpm
Starting System	Recoil (electronic ignition)	
Driving System	Direct coupling, tapered crank	
Oil Capacity	20 ozs	.5 liter (.53 qt.) max
Spark Plug	RCJ8	NKG BMR-6A
Governor	Mechanical (adjustable)	
Cooling System	Forced air cooling	
Manufacturer	Briggs & Stratton	Kawasaki
Bore x	60.3 x 44.4 mm	62 x 4.3 mm
Stroke	2.38 x 1.75 in.	2.44 x 1.69 in.
Carburetor Type	Float	
Air Cleaner Type	Paper element	Foam element

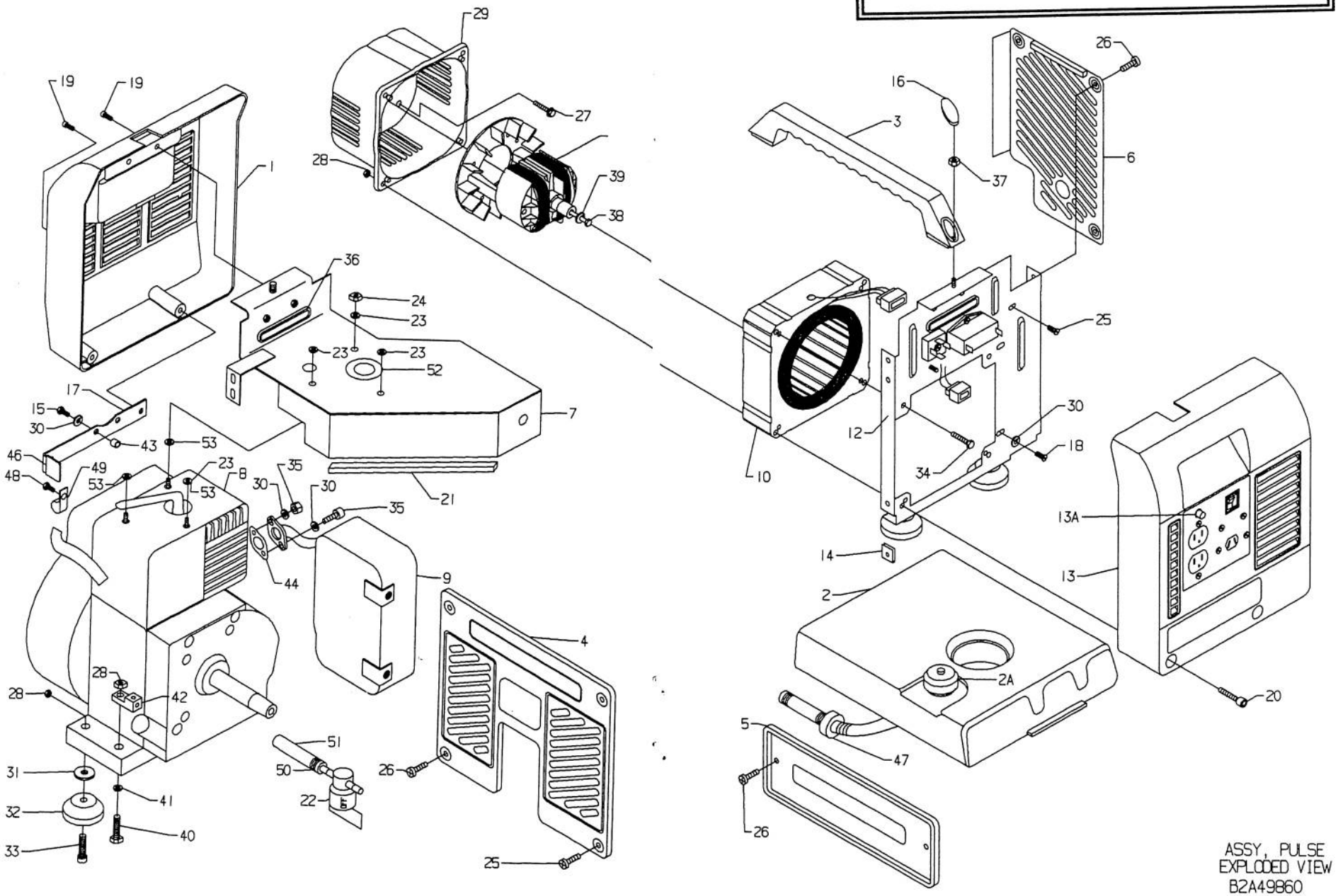
	Pulse 1000	Pulse 1750 & 1755	Pulse 1850
GENERATOR SPECS			
Type	Self excited, brushless, 2 pole single phase		
Nom. AC Output Voltage	120 volts		
Frequency	60 Hz		
Continuous AC Output	800 w. at 6.7 A	1400 w. at 11.6 A	1500 w. at 12.5 A
Maximum AC Output	1000 w. at 8.3 A	1750 w. at 14.5 A	1850 w. at 15.4 A
Speed Nominal	3600 rpm		
Rated Power Factor	1.0		
Nom. DC Output Voltage	12 volts		
DC Ouput	180 watts at 15 amps		
AC Outlet	1 - Duplex with ground		
DC Outlet	1 - Receptacle		
Circuit Protection	Circuit breakers	AC - Manual reset, DC - Auto reset	
Length Overall	18.3 inches (465 mm)		
Width Overall	11.6 inches (295 mm)		
Heighth Overall	16.4 inches (416 mm)		
Weight (Dry)	68 lbs. (30.8 kg)		
Fuel Capacity	.94 gallon (3.56 liters)		

PULSE PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	WATTS 1000	1750	1755	1850
1	0050177	Panel, Green	1	1		
1	0050181	Panel, Grey			1	1
2	0050024	Assy, Fuel Tank	1	1		
2	0049921	Assy, Fuel Tank			1	
2	0051368	Assy, Fuel Tank				1
2a	0049841	Cap, Fuel	1	1	1	1
3	0049813	Handle	1	1	1	1
4	0049814.01	Panel Side Cover			1	1
5	0049815	Panel, Side	1	1		
6	0049923	Shield, Muffler	1	1	1	1
7	0049818.01	Head Deflector, B&S	1	1		1
7	0049817	Head Deflector, KHI			1	
8	Note A	Engine 3.5 hp B&S	1	1		1
8	Note A	Engine 3 hp KHI			1	
9	0049822.01	Muffler B&S	1	1		1
9	0049821.01	Muffler KHI			1	
10	0049823	Stator	1	1	1	1
11	0049824	Rotor	1	1	1	1
12	0049825	Assy, Stator Bracket	1	1	1	1
13	0049839	Endbell Wired	1			
13	0049838	Endbell Wired		1		
13	0049837	Endbell Wired			1	
13	0051375	Endbell Wired				1
13a	0049853	Circuit Breaker, 7 Amp	1			
13a	0049953	Circuit Breaker, 12 Amp		1	1	
13a	0049070	Circuit Breaker, 15 Amp				1
14	0049846	Fastener	2	2	4	4
15	0000950	Bolt, Wz 1/4-20 x 1/2	2	2	2	2
16	0049852	Plug, Handle	2	2	2	2
17	0049865	Brkt, Lower	1	1	1	1
18	0050144	Bolt, 1/4-20 x 3/8	2	2	2	2
19	0049874	Screw HSBHC 1/4-20 x 5/8	6	6	6	6
20	0049875	Screw HSBHC 1/4-20 x 3	2	2	2	2
21	1130498870	Foam 3/8 x 1/2 W PSA	7.5"	7.5"	7.5"	7.5"
22	0049920	Fuel Shut Off, Inline	1	1		1
22	0049888	Fuel Shut Off			1	
23	Note B	Washer, Flat 5/16	4	4	6	6
24	0008466	Nut, 5/16 x 18	3	3		3
24	0047783	Nut, M8 x P1.25			3	
25	0048402	Screw, Truss HD 10-24 x 5/8	1	1	2	2

(PARTS LIST CONTINUES AFTER DRAWING ON NEXT TWO PAGES)

PULSE SERIES



PULSE PARTS LIST (Continued)

REF. NO.	PART NO.	DESCRIPTION	WATTS 1000	1750	1755	1850
26	0048403	Screw, Truss HD 10-24 x 1/2	5	5	6	6
27	0000901.01	Bolt WZ 5/16-24 x 3/8	4	4	4	4
28	0040832	Nut, Nyloc 1/4-20	7	7	7	7
29	0050448	Engine Adapter	1	1		1
29	0049694	Engine Adapter			1	
30	Note B	Washer, Lock 1/4	4	4	6	4
31	0047937	Washer, Fender	2	2	2	2
32	0047774	Foot, Rubber 106-W	2	2	2	2
33	0035014	Screw SHC 1/4-20 x 1-1/2	2	2	2	2
34	Note B	Bolt, Hex HD 1/4-20 x 2-3/4	2	2	2	2
35	0049161	Screw SHC 1/4-20 x 5/8	2	2		2
35	0048352	Nut, M6			2	
36	0049849	Grommet	1	1	1	1
37	0048736	Nut, Nyloc 5/16 x 18	2	2	2	2
38	0035022	Bolt, Rotor 5/16-24 x 5/8	1	1	1	1
39	Note B	Washer, Lock 5/16	1	1	1	1
40	0047855	Bolt, Hex 1/4-20 x 1-1/2	1	1	1	1
41	Note B	Washer, Star 5/16	1	1	1	1
42	0008854	Lug, Ground	1	1	1	1
43	0048119	Spacer 1/4	2	2		2
44	0049892	Gasket, Muf B&S	1	1		1
44	0049401	Gasket, Muf KHI			1	
45	Note B	Washer, Flat 1/4	2	2	2	2
46	0049909	Cap, Rectangular	2	2		
47	0047790	Fuel Filter	1	1		
48	0001537	Screw Hex 8-32	1	1		1
49	0047706	Clamp, Nylon 1/2	1	1		1
50	0035857	Clamp, Hose 1/2	6	6	2	4
51	1130365740	Hose 1/4" ID, 1/2 " OD	26"	26"	8"	23"
52	0049908	Grommet, Spark Plug	1	1		1
53	0049352	Washer, Flat 5/16 .083			3	
*	0051291	Assembly, Battery Cable	1	1	1	1

Note A: Engines are listed as a part, however Coleman Powermate will not provide engines as replacement parts. Engines are covered through the engine manufacturer's warranty. Contact our service department for assistance.

Note B: These are standard parts available at your local hardware store.

* These items are not shown.

ADDITION TO PARTS LIST

(FOR CITY OF LOS ANGELES APPROVED MODELS)

Electrical: The ampacity of the phase conductors from the generator terminals to the first over current device shall not be less than 115 percent of the nameplate rating of the generator.

Parts List Modifications: The following parts will replace those used on the standard parts list for the specific series below.

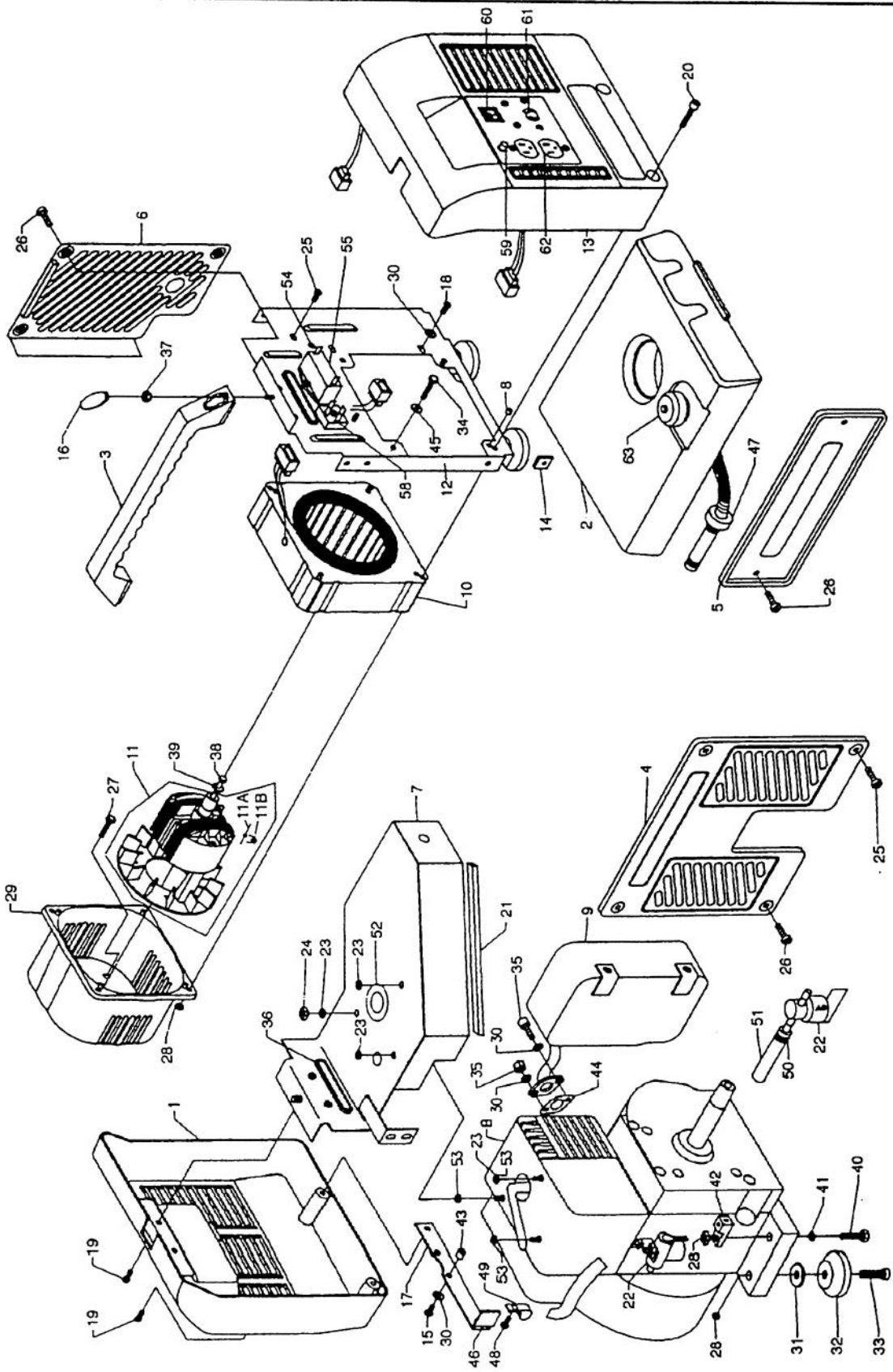
NOTE: If replacement parts are required for the engine, contact one of the engine manufacturer's service centers.

Generator parts for model PL0401000, PL0401750 and PL0401755:

Ref. No.	Part No.	Description	0401000	0401750	401755
2	0050562	Assy, Fuel Tank	1	1	
2	0050561	Assy, Fuel Tank			1
50	0050558	Clamp, Hose	6	6	2
51	1130505590	Hose, 1/4 ID Steel Braided	26"	26"	8"

SERVICE PARTS LIST

MODEL	PART NUMBER
GEN PULSE 1000	PM0401000
GEN PULSE 1750	PM0401750
GEN PULSE PLUS 1750	PM0401755
GEN PULSE 1850	PM0401805
GEN PULSE 1850	PM0401850



SERVICE PARTS LIST

MODEL	PART NUMBER
GEN PULSE 1000	PM0401000
GEN PULSE 1750	PM0401750
GEN PULSE PLUS 1750	PM0401755
GEN PULSE 1850	PM0401850

REF. NO.	PART NO.	DESCRIPTION	PM0401000 PL0401000	PM0401750 PL0401750	PM0401755 PL0401755	PM0401850 PL0401850
1	0050177	PANEL, GREEN	1	1		
1	0050181	PANEL., GREY			1	1
2	0050024	ASSY, FUEL TANK	1	1		
2	0049921	ASSY, FUEL TANK			1	
2	0051368	ASSY, FUEL TANK				1
2a	0049841	CAP, FUEL	1	1	1	1
3	0049813	HANDLE	1	1	1	1
4	0049814.01	PANEL SIDE COVER			1	1
5	0049815	PANEL, SIDE	1	1		
6	0049923	SHIELD, MUFFLER	1	1	1	1
7	0049818.01	HEAD DEFLECTOR, B&S	1	1		1
7	0049817	HEAD DEFLECTOR, KHI			1	
8	NOTE A	ENGINE 3.5 hp B&S	1	1		1
8	NOTE A	ENGINE 3 hp KHI			1	
9	0049822.01	MUFFLER B&S	1	1		1
9	0049821.01	MUFFLER KHI			1	
10	0049823	STATOR	1	1	1	1
11	0049824	ROTOR	1	1	1	1
11A	0047801	DIODE MR760	2	2	2	2
11B	0054962	VARISTOR, V510LA40A	2	2	2	2
12	0049825	ASSY, STATOR BRACKET	1	1	1	1
13	0049839	ENDBELL, WIRED	1			
13	0049838	ENDBELL, WIRED		1		
13	0049837	ENDBELL WIRED			1	
13	0051375	ENDBELL WIRED				1
13a	0049853	CIRCUIT BREAKER, 7 AMP	1			
13a	0049953	CIRCUIT BREAKER, 12 AMP		1	1	
13a	0049070	CIRCUIT BREAKER, 15 AMP				1
14	0049846	FASTENER	2	2	4	4
16	0049852	PLUG, HANDLE	2	2	2	2
17	0049865	BRKT, LOWER	1	1	1	1
21	1130498870	FOAM 3/8 X 1/2 W PSA	7.5"	7.5"	7.5"	7.5"
22	0049920	FUEL SHUT OFF, INLINE	1	1		1
22	0049888	FUEL SHUT OFF			1	
29	0050488	ENGINE ADAPTER	1	1		1
29	0049694	ENGINE ADAPTER			1	
32	0047774	FOOT, RUBBER 106-W	4	4	4	4
36	0049849.01	GROMMET	1	1	1	1
40	0047855	BOLT, ROTOR 5/15-24 X 5.13	1	1	1	1
42	0008854	LUG, GROUND	1	1	1	1
43	0048119	SPACER 1/4	2	2		2
44	0049892	GASKET, MUF B&S	1	1		1
44	0049401	GASKET, MUF KHI			1	
46	0049909	CAP, RECTANGULAR	2	2		
49	0047706	CLAMP, NYLON 1/2	1	1		1
50	0035857	CLAMP, HOSE 1/2	6	6	2	4
51	1130365740	HOSE 1/4" ID, 1/2" OD	26"	26"	8"	23"
52	0049908	GROMMET, SPARK PLUG	1	1		1
54	0047806	CAPCITOR 7.5MFD	1	1	1	1
55	0048677	DIODE, BRIDGE 25 AMP	1	1	1	1
*	0051291	ASSEMBLY, BATTERY CABLE	1	1	1	1

NOTE A: COLEMAN POWERMATE WILL NOT PROVIDE ENGINES AS REPLACEMENT PARTS. ENGINES ARE COVERED THROUGH THE ENGINE MANUFACTURER'S WARRANTY.

START DATE:

REVISED: